

NPAFC
Doc. 1085
Rev.

**Proposed Cruise Plans of Japanese Research Vessels for Salmon
in the North Pacific Ocean in 2008**

by

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Submitted to the

NORTH PACIFIC ANADROMOUS FISH COMMISSION

by

JAPAN

March 2008

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Nagasawa, T. K. Morita and M. Fukuwaka. 2008. Proposed cruise plans of Japanese research vessels for salmon in the North Pacific Ocean in 2008. NPAFC Doc. 1085. 6 pp. Hokkaido National Fisheries Research Institute, Fisheries Research Agency, 116 Katsurakoi, Kushiro 085-0802, Japan. (Available at <http://www.npafc.org>).

Four Japanese salmon research vessels have been tentatively scheduled to conduct the following scientific research in the North Pacific and the Bering Sea in 2008 (Table 1). In case of gillnet operation, gillnets less than 2.5 km in length at sea will be used.

(1) The *Hokko maru* will conduct research with a surface or midwater trawl to obtain information on the distribution, abundance and some biological characteristic of summering salmon in the North Pacific and Bering Sea. We will also get gear calibration data between the non-selective research gillnets and the surface- midwater trawl. We have planed two research cruises, one from early July to late July, and onother from mid August to mid september (Fig. 1).

(2) The *Oshoro maru* will conduct research with gillnets, longline and hook and line to obtain data on the distribution and ecology of salmon and other pelagic fishes in the western North Pacific in May (Fig. 2), and in the central North Pacific, eastern Bering Sea and Chukchi Sea from early July to late August (Fig. 3, Appendix Table 1).

(3) The *Wakatake maru* will conduct research with gillnets and longlines to obtain data on the distribution and abundance of salmon along 180° longitude in the central North Pacific and Bering Sea from early June to late July (Fig. 4).

(4) The *Kaiun maru* will conduct research with gillnets to obtain data on the distribution and ecology of neon flying squid, salmon and other pelagic fishes in the western and central North Pacific Ocean from early July to early August (Fig. 5).

Table 1. Proposed cruise plan of Japanese research vessels for salmon in the North Pacific in 2007

Vessel	Period	Survey area	Research objects	Gear equipped
<i>Hokko maru</i>	July 1-July 24	North Pacific Bering Sea	Abundance Distribution Gear calibration	Surface-mid water trawl Hook and line
	August 20-Sept. 12	North Pacific Bering Sea	Abundance Distribution	Surface-mid water trawl Hook and line
<i>Oshoro maru</i>	May 7-May20	Western North Pacific	Fish community	Gillnets, longline
	June 2-July 31	North Pacific, Bering Sea Chukchi Sea	Fish community	Gillnets, longline, and Hook and line
<i>Wakatake maru</i>	June 6 - July 19	Central North Pacific, Bering Sea	Stock assessment	Gillnets and Longline
<i>Kaiun maru</i>	July 1-Aug 2	Central and western North Pacific	Stock assessment of neon flying squid	Gillnets

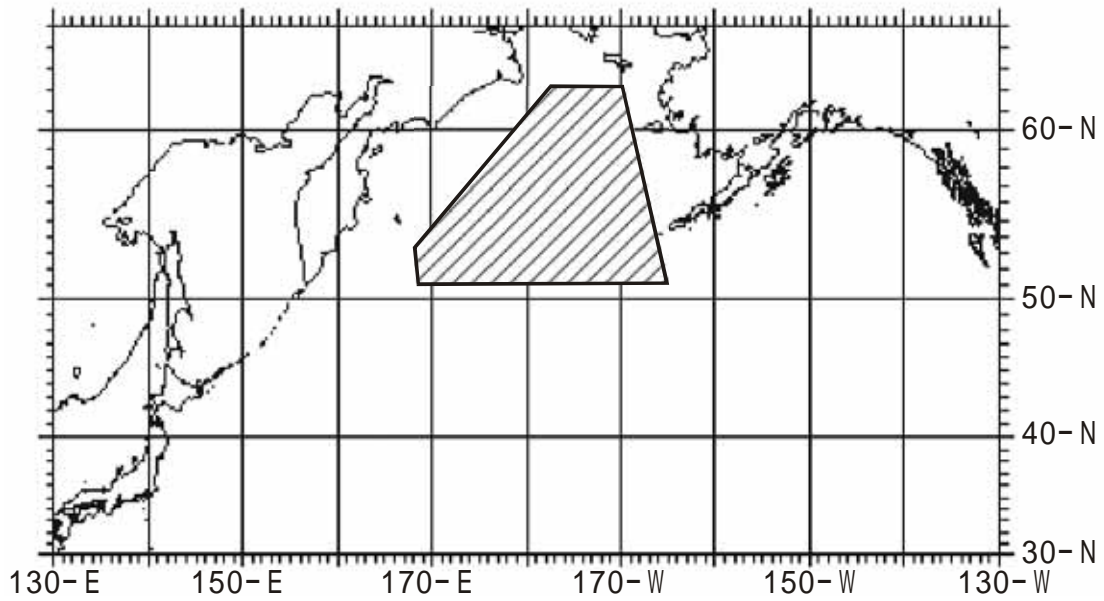


Fig. 1. Research area of the *Hokko maru* in the North Pacific for the both two cruises, July 1 (Kushiro) – July 24 (Kushiro), and August 20 (Kushiro) – September 12 (Kushiro)

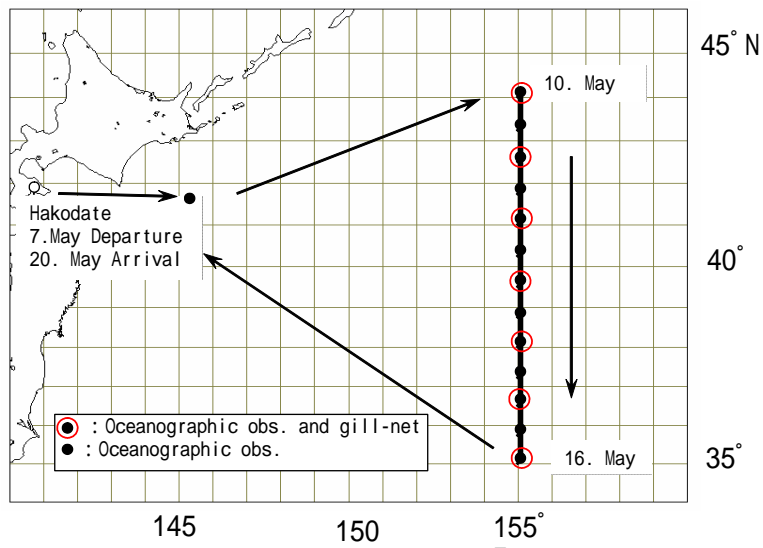


Fig. 2. Cruise plan of the *Oshoro maru* in the western North Pacific. May 7 (Hakodate) – May 20(Hakodate).

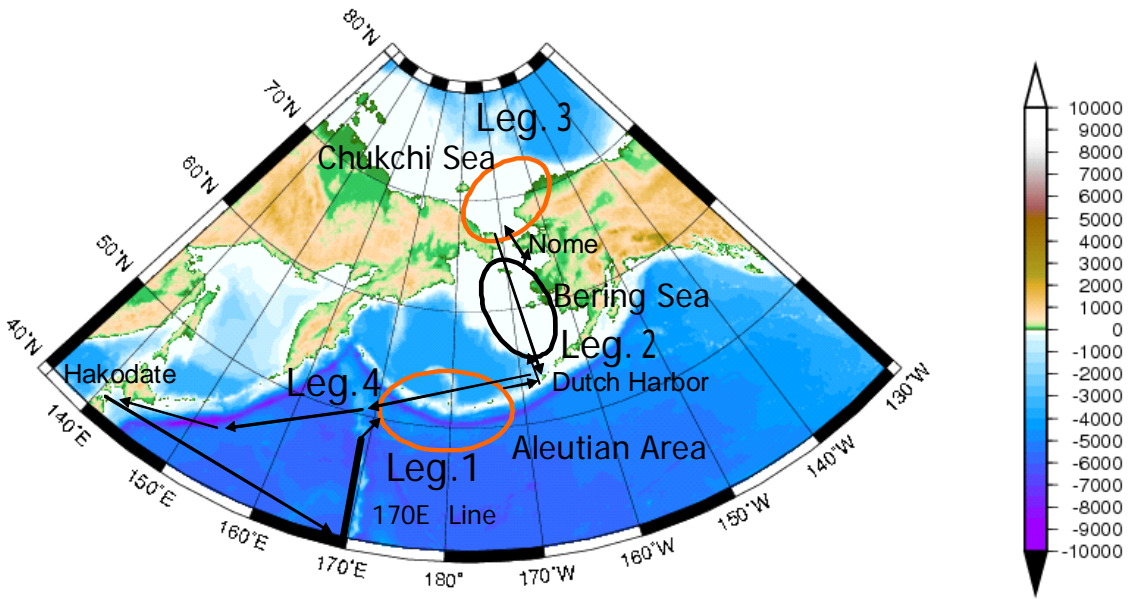


Fig. 3. Cruise plan of the *Oshoro maru*, June 2 (Hakodate) – July 31 (Hakodate) .

Solid line at 170E shows gillnets, longline and hook&line operation area, and ovals show longline and hook&line operation areas (excluding Russian 200NMZ) .

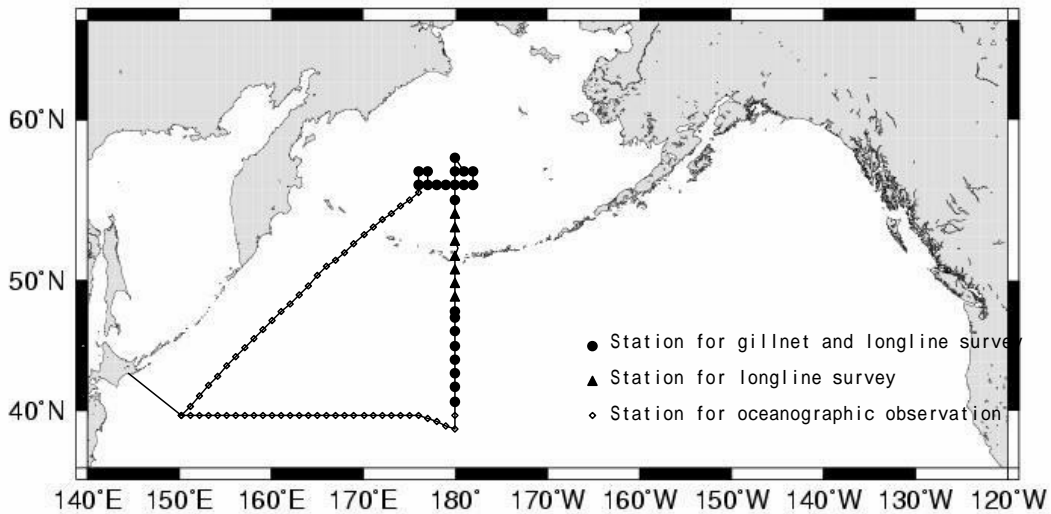


Fig. 4 Survey stations of the *Wakatake maru*. June 6 (Kushiro) - July 19 (Kushiro).

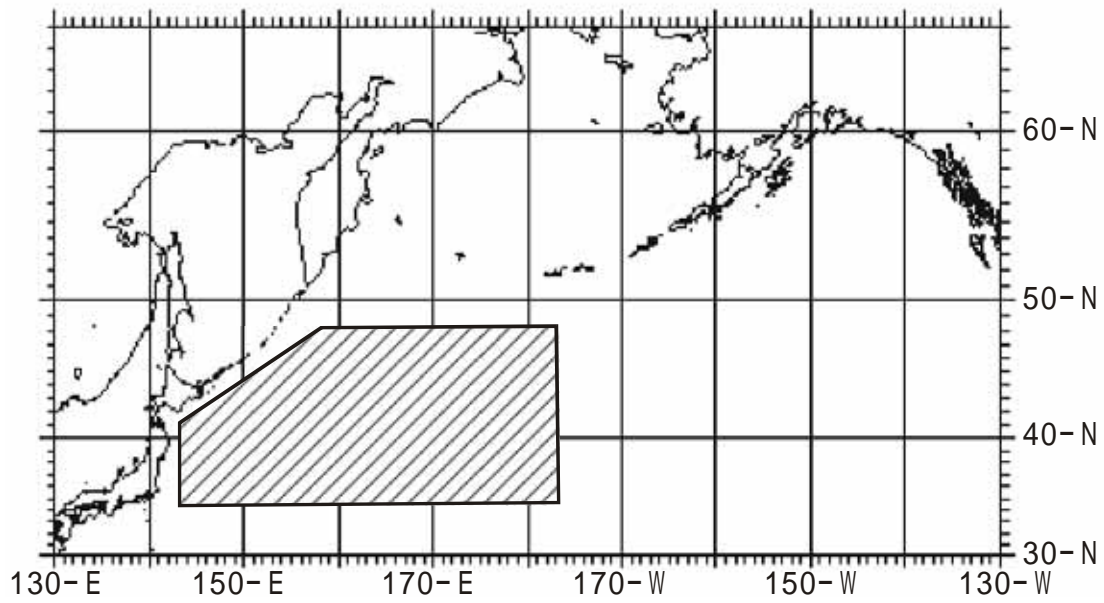


Fig. 5. Survey area of the *Kaiun maru* research cruise (excluding Russian 200NMZ).

July 1 (Hachinohe) – August 2 (Hachinohe).

Appendix Table 1. Oshoro-Maru 190th Cruise Plan in summer 2008, Faculty of Fisheries, Hokkaido University

Port (Area)	Distance (N.Miles)	Arrival (Start)	Departure (Finish)	Remarks
Hakodate			2 June	Her qualification changes a foreign runner.
	235			
Site H (41°-30'N, 145°-47'E)		3 June	3 June	Oceanographic observations and plankton sampling.hook-and-line
	910			
170°E Line	700	7 June	12 June	Oceanographic observations, plankton samplings, frame trawl, gill-net, squids jigging surveys,long line,and hook-and-line
	420			
Around the Aleutian Islands	900	12 June	20 June	Oceanographic observations, plankton samplings, frame trawl, retrieval and set of sediment traps (two moorings), squids jigging surveys,long line,and hook-and-line
	200			
Dutch Harbor		21 June	24 June	Exchange scientists and water supply
	20			
Southeastern and Northern part of Bering Sea	1,800	24 June	3 July	Oceanographic observations, plankton samplings, frame trawl and bottom otter trawl surveys,long line,hook-and-line
	20			
Nome		4 July	6 July	Exchange scientists and water supply
	50			
Chuckchi Sea	1,260	6 July	15 July	Oceanographic observations, plankton samplings, frame trawl , bottom otter trawl surveys,long line,hook-and-line, set and retrieval of sediment traps ,Recovery of two moorings systems.
	690			
Duch Harbor		17 July	20 July	Exchange scientists and water supply
Around the Aleutian Islands	900	20 July	23 July	Oceanographic observations and plankton samplings, frame trawl
	1,200			
Site H		30 July	30 July	Oceanographic observations and plankton sampling
	235			
Hakodate		31 July		Her qualification changes a domestic runner.
Total distance 9,540 Nautical Miles, 60 days Voyage (4th and B-Area)				

* We will not retrieve sediment traps and current meters without beacons (a NOVATEC receiver is onboard).

Appendix Table 2. List of Salmon Research Vessels Scheduled for 2008 by Japanese Party

Party	Vessel's Name	Call Sign	Gear Equipped	Other Available Information
FRA Kushiro	Hokko maru	JEBB	Mid water trawl Hook and line	INMARSAT telephone: +872-7634-443-93, Length (m): 64.73, Gross Ton: 902
Hokkaido University	Oshoro Maru	JDVA	Gill nets, Longline, Hook and line	INMARSAT telephone: +872-3431-025-10 , Length (m): 72.85, Gross Ton: 1,779
FRA Kushiro	Wakatake Maru	JLOV	Gill nets, Longline	INMARSAT telephone: +872-3431-919-10, Length (m): 64.00, Gross Ton: 666
FRA Shimizu	Kaiun Maru	JRFC	Gill nets	INMARSAT telephone: +872-6431-610-10, Length (m): 45.50, Gross Ton: 208